

## PCT REQUEST

Original (for SUBMISSION )

0	For receiving Office use only	PCT/US 05/28500
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form PCT/RO/101 PCT Request	
0-4-1	Prepared Using	PCT-SAFE [EASY mode] Version 3.50 (Build 0002.163)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	United States Patent and Trademark Office (USPTO) (RO/US)
0-7	Applicant's or agent's file reference	5566-1002
I	Title of Invention	TURBULENCE BURNER WITH VORTEX STRUCTURES
II	Applicant	
II-1	This person is	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	PROTO-TECHNICS, INC.
II-5	Address	180 South Almond Street Orange, Virginia 22960 United States of America
II-6	State of nationality	US
II-7	State of residence	US
III-1	Applicant and/or inventor	
III-1-1	This person is	applicant and inventor
III-1-2	Applicant for	US only
III-1-4	Name (LAST, First)	BOSKET, James
III-1-5	Address	16487 Constitution Highway Orange, Virginia 22960 United States of America
III-1-6	State of nationality	US
III-1-7	State of residence	US

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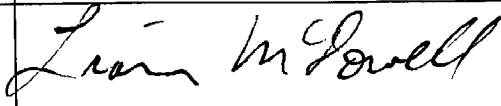
IV-1	<b>Agent or common representative; or address for correspondence</b> The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	<b>agent</b>	
IV-1-1	Name (LAST, First)	MCDOWELL, Liam	
IV-1-2	Address	c/o Young & Thompson 745 South 23rd Street Arlington, Virginia 22202 United States of America	
IV-1-3	Telephone No.	(703) 521-2297	
IV-1-4	Facsimile No.	(703) 685-0573	
IV-1-5	e-mail	embon@young-thompson.com	
IV-1-6	Agent's registration No.	44,231	
V	<b>DESIGNATIONS</b>		
V-1	The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.		
VI-1	<b>Priority Claim</b>	NONE	
VII-1	<b>International Searching Authority Chosen</b>	European Patent Office (EPO) (ISA/EP)	
VIII	<b>Declarations</b>	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	

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IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	3	✓
IX-2	Description	10	-
IX-3	Claims	7	-
IX-4	Abstract	1	✓
IX-5	Drawings	11	-
IX-7	TOTAL	32	

	Accompanying Items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-11	Copy of general power of attorney	reference no. 5566-1002	-
IX-17	PCT-SAFE physical media	-	✓
IX-19	Figure of the drawings which should accompany the abstract	fig 1	
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	MCDOWELL, Liam	
X-1-2	Name of signatory		
X-1-3	Capacity		

## FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	JCO2 Rec'd PCT/PTO 12 AUG 2005
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

## FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
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